GOVERNMENT OF MYSORE, STORES PURCHASE COMMITTEE, BANGALORE.

No. S. P. C. 2826-45, *dated* 12*th August* 1935.

To

The Firms dealing in Oil Engines.

Enquiry No. 1485.

GENTLEMEN,

Please be good enough to intimate your best prices and the earliest time of delivery for the materials described in the undermentioned schedule for delivery f. o. r., Bangalore.

It should be distinctly understood that the acceptance by us of your quotation will be subject to the following conditions :—

Withdrawal from the quotation after it is accepted or failure to make the supply within the specified time or according to specifications will entail cancellation of the order and purchases being made at your expense from other sources in addition to the levy of a penalty of 3 per cent of the value of the order as and by way of liquidated damages. In such an event, the Stores Purchase Committee reserve the right to remove your name from the list of approved firms.

The quotations should be superscribed "Quotations for Oil Engines."

This enquiry will be closed on the 9th of September 1935.

Schedule—Specification.

Three—Horizontal single cylinder cold starting airless injection heavy oil engine size, "H.D. 6" to develop a normal working load of 16 B.H.P. and a maximum load of 17½ H.P. when running at a speed of 400 R.P.M.

Deductions from power to be made at 1% for every five degrees rise in temperature above normal (62 degrees Fah.) and 3½% for every 1,000 ft. above sea level.

The engines to be complete with the following :—

Two industrial type flywheels,
Fuel oil tank,
Fuel oil heater and strainer,
Exhaust silencer,
Foundation bolts,
Set of spares,
Standard set of spares.

Technical Data.

Type	Single cylinder, horizontal, cold starting, totally enclosed.
Number of strokes	Four cycle.
Engine output	Normal B.H.P. 16 Maximum B.H.P. 17½.
Speed	400 R.P.M.
Cylinder bore	6½".
Stroke	13".
Number of flywheels	Two industrial.
Flywheel dimensions	Each 40" dia. 4½" face.
Pipe dimensions	Exhaust pipe. Engine to silencer 2½". Exhaust pipe. Silencer to air 3".
Inlet and Outlet water pipes	1½".
Fuel oil pipe	1".
Crank shaft end dia.	2¾".
Key way	Either end of crank shaft 1" wide, 5/16" depth.
Capacity of fuel oil tank	6 gallons.
Dimensions of fuel oil tank	12" dia. × 16½" high.
Fuel oil consumptions on B.O.C., diesel fuel having a specific gravity of 920.	Full load—·46 lbs. per B.H.P. per hr. ¾ ,, ·45 ,, do ½ ,, ·50 ,, do ¼ ,, ·69 ,, do
Lubrication oil consumption	·17 pints per hour.
Gross weight of engine	22½ cwts. approx.
Amount of cooling water required with inlet at 90° Fah. on run through system	10 gals. per B.H.P. per hour.
Size of cooling tank if Thermp. Syphon system of cooling adopted	3′ 9" dia. × 8′ high (two tanks each).
Length of crank extension at either side of engine	9½" approximately.

Crank Shaft Extension.—From the above details, it will be seen that the Crank Shaft Extension is only 9½″ on either side of the engine. This will be quite sufficient to support a 16″ pulley, if desired, as the pulley boss can be made eccentric to pulley rim.

No. S. P. C. 3096-3110, *dated 13th August* 1935.

To

The Firms dealing in Turn Buckles.

Enquiry No. 1486.

TURN BUCKLES AND WIRE THIMBLES.

GENTLEMEN,

I write to request you to quote your best price and earliest time of delivery for the following materials :—

Item (1) 1,000—Galvanized turn buckles ⅝″ dia. with hook and eye.
,, (2) 2,000—Galvanized wire thimbles for ⅜″ stranded guy wire.

The materials should conform to the brief specifications given below :—

Both the turn buckles and the wire thimbles should be fully galvanized and not sherardized and be able to satisfactorily withstand the standard copper sulphate solution immersion test. They should strictly conform to the description and size given in our drawing No. G. 392, a copy of which will be sent on request. Materials other than those to our specifications will not be considered.

The turn buckles should be of ⅝″ diameter bolts and have clear cut-threads. The breaking strength of the turn buckle should be not less than 7,000 lbs.

The prices to be quoted should be for delivery, f. o. r., Bangalore.

This enquiry will close on the 20th September 1935.

No. S. P. C. 3089-95, *dated 13th August* 1935.

To

The Furniture Contractors.

Enquiry No. 1487.

GENTLEMEN,

Please intimate your best present day prices for articles of furniture noted below for delivery free at Bangalore.

Your quotation should be subject to the conditions of contract enclosed and should reach this office by 31st August 1935.

Schedule of Articles.

Item No.	Description of articles	Approximate quantity
1	Pine ceiling planks ⅝″×6″ in lengths of 12—20 ft. each	1,000 feet.
2	Mysore teakwood planks of the following sizes :—	
	6′×12″×1″	62 planks.
	6′×12″×¾″	62 ,,
	6′×12″×½″	12 ,,
	10′×12″×1″	13 ,,
3	Mysore teakwood reepers 2″×1″	50 R.ft.
4	Teakwood Mysore boxes, fire and weather-proof to go on Balagi and steel poles, 4-way, of the design in use in the Electrical Department	200 Nos.
5	Do 6-way do	150 ,,
6	Casing and capping, teakwood, 2, way, 2″×¾″	2,000 R.ft.
7	Do 2-way, 2″×1″	1,000 ,,
8	Almirahs made of best quality Mysore Teakwood, with 4 planks shelves, teakwood shutters complete with hasp and staple 6 ft. × 4 ft. × 1½ ft.	5 Nos.
9	Do with 3 shelves planks 3½ ft. × 2½ ft. × 1½ ft	3 ,,
10	Notice board box, teakwood, with glass shutter and green baize inside, size, ht. 2 ft. × 1½ ft. width, thickness of plank 1″, with beading all round and painted on all sides with Japan	6 ,,
11	Tables for ledgers of the design and size now in use in the Electrical Department	2 ,,

N.B.—Only best quality Mysore teakwood, well-seasoned, without cracks, knots, whitewood, sap or other defects should be used in the manufacture of the above articles.

No. S. P. C. 3313-22, *dated* 19*th August* 1935.

To

The Firms dealing in Pipes and Specials.

Enquiry No. 1491.

STEAM CASING PIPES.

DEAR SIR/GENTLEMEN,

Please be good enough to intimate your best prices and the earliest time of delivery for the materials described in the schedule printed below.

It should be distinctly understood that the acceptance by us of your quotation will be subject to the following conditions :—

Withdrawal from the quotation after it is accepted or failure to make the supply within the specified time or according to specifications will entail cancellations of the order and purchases being made at your expense from other sources in addition to the levy of a penalty of 3 per cent of the value of the order as and by way of liquidated damages. In such an event, the Stores Purchase Committee reserve the right to remove your name from the list of approved firms.

The quotations should be superscribed "Quotations for Steam Casing Pipes" with the above enquiry number.

This enquiry will be closed on the 2nd of September 1935.

Schedule.

Item No.	Description of material offered	Quantity	Price quoted F. O. R.	Time of delivery
	Stewarts and Lloyds Casing Pipes of Red Steam quality of 6″ dia.	500 R.ft.		
	Stewarts and Lloyds Casing Pipes of black quality of 6″ dia.	300 „		

N.B.—(1) The pipes to be supplied should have screw threads cut at either end. A collar has got to be fixed at one end and a guard collar at the other end to protect the threads from damage in transhipment.

(2) The pipes may be supplied in random lengths.

(3) The quotation should be for delivery f. o. r., Bangalore.

(4) The quotation should be for S. and L. make pipes only and this should be specifically mentioned in the quotation.

(5) The material is required urgently and quotations from stock will therefore be preferred.

No. S. P. C. 3299-3312, *dated* 19*th August* 1935.

To

The Firms dealing in Steel Lockers.

Enquiry No. 1492.

DEAR SIR/GENTLEMEN,

Please be good enough to intimate your best prices and the earliest time of delivery for the materials described in the schedule below.

It should be distinctly understood that the acceptance by us of your quotation will be subject to the following conditions :—

Withdrawal from the quotation after it is accepted or failure to make the supply within the specified time or according to specifications will entail cancellations of the order and purchases being made at your expense from other sources in addition to the levy of a penalty of 3 per cent of the value of the order as and by way of liquidated damages. In such an event, the Stores Purchase Committee reserve the right to remove your name from the list of approved firms.

The quotations should be superscribed "Quotations for Steel Locker" with the above enquiry number.

This enquiry will be closed on the 16th September 1935.

Schedule.

Item No.	Description of material offered	Quantity	Price quoted F. O. R.	Time of delivery
	Steel locker 6′×4′×18″ with two doors, five adjustable shelves fitted with three way locking device controlled by unpickable lock	One	Bangalore	

N.B.—The locker should be supplied painted with olive green enamel.

No. S. P. C. 3278-88, *dated 20th August* 1935.

To

The Firms dealing in Electrical Materials.

Enquiry No. 1494

DEAR SIR/GENTLEMEN,

Please be good enough to intimate your best prices and the earliest time of delivery for the materials described in the undermentioned schedule.

It should be distinctly understood that the acceptance by us of your quotation will be subject to the following conditions :—

Withdrawal from the quotation after it is accepted or failure to make the supply within the specified time or according to specifications will entail cancellations of the order and purchases being made at your expense from other sources in addition to the levy of a penalty of 3 per cent of the value of the order as and by way of liquidated damages. In such an event, the Stores Purchase Committee reserve the right to remove your name from the list of approved firms.

The quotations should be superscribed "Quotations for Electric Materials" with the above enquiry number.

This enquiry will be closed on the 5th September 1935.

Schedule.

Item No.	Description of material	Approximate quantity	Rate for delivery f. o. r. Bangalore
			Rs. a. p.
1	Soldering Paste	5 lbs.	
2	(*a*) Shellac Varnish black (*b*) Do yellow	2 gals.	
3	Friction tape $\frac{1}{2}$", $\frac{3}{4}$", 1"	10 lbs.	
4	Cambric tape, $\frac{1}{2}$", $\frac{3}{4}$", 1"	3 gr. yds.	
5	Rubber tape, $\frac{1}{2}$", $\frac{3}{4}$", 1"	3 lbs.	
6	U.I.R. Wires 600 megohm grade, 18, 16, 14, 12, 10, 8 and 6 swt.	20 coils	
7	Silk cord 5 to 10 amps.	3 „	
8	Fuse wires, 1, 2, 5, 10, 15, 20, 25, 30, 40, 50, 60 and 100 amps.	2 lbs. each	
9	(*a*) Cartridge type renewable fuse, 30 amps. (*b*) Do do 60 „	4 dozs.	
10	(*a*) Knife switches T.P.S.T., 60 amps. (*b*) Do do 30 „	2 „	
11	Fibre Sheets, $\frac{1}{8}$" to 1"	40 lbs.	
12	Mica Sheets 6"×6" or 8"×8"	3 „	
13	Sulphuric Acid concentrated	25 „	
14	S.C.C. Wires :—21, 22, 23, 24, 25, 26, 27, 28 and 29 S.W.G. D.C.C. Wires :—20, 21, 22, 25, 27, 28, 29 and 30 S.W.G. D.S.C. Wires :—21, 22, 24, 25, 26, 27, 28, 29 and 30 S.W.G.	10 lbs. each	
15	Insulated Nicrome resistance wires flat and round wires :—25, 28, 30, 32 and 34 S.W.G.	10 lbs.	
16	Transformer punchings for small radio transformers and for distribution transformer from 1 kw. to 5 kw.	50 „	
17	Magnesium Oxide	3 lbs.	
18	Twin Flexible conductors composed of plain copper wires, single cotton covered, insulated with one layer of vulcanized India rubber two such cores laid up, wormed circular maroon silk braided over all. 5 amp. size 40/·0076 8.5 amp. size 70/·0076	300 yds. 300 yds.	

No. S. P. C. 3450-70, *dated 20th August* 1935.

To

The Firms dealing in Pumping Sets.

Enquiry No. 1496.

DEEP WELL PUMPING SETS REQUIRED FOR CHINTAMANI WATER WORKS.

GENTLEMEN,

Please intimate your best prices and the earliest time of delivery for the pumping sets described in the specifications given below.

The prices to be quoted should be for delivery, f. o. r., Chintamani, Mysore Railways.

This enquiry will close on the 2nd October 1935.

SPECIFICATIONS FOR THE DEEP WELL ELECTRIC PUMPING SETS REQUIRED FOR CHINTAMANI WATER WORKS.

Three pumping sets are required one for each bore.

General :—

(1) Inside Diameter of borewell casing	6″
(2) Depth of the bore wells—No. I	153 ft.
No. II	175 ft.
No. III	176 ft.
(3) Distance between the delivery point on the top of the well and the strainer of the pump below	120 ft.
(4) Difference of height between the top of the well and elevated tank including friction in the pipe line	130 ft.
(5) Total Pumping head	250 ft.
(6) Pumping capacity	30 gals. per minute.

The pumping set should consist of an electric motor vertically and directly coupled to a multistage pump below by means of a steel shaft of suitable diameter, the pump being capable of lifting water from a depth of 120 ft. in the bore well into an elevated tank against a head of 130 ft., the total head aggregating to 250 ft.

Pump.—The pump may consist of a number of stages and should be such that the whole set could easily get in to the 6″ diameter well, the outside diameter of the pump bowl therefore not exceeding $5\frac{1}{4}$″. The pump preferably have semi open type impellers and should be provided with satisfactory arrangement for adjusting the discharge from the top without operating the delivery valve. The impellers should be of the highest quality bronze which do not wear away rapidly by sand or silt if any in the well.

Suitable thrust ball bearings should be provided on top to balance the whole weight of the pump.

Sand and silt proof bearings assuring correct alignment and sturdiness, with water lubrication should be provided between impellers. The shaft should be made of non-corrosive stainless steel and should consist of uniform lengths with necessary substantial couplings which do not get loosened while working.

The shaft should be provided with suitable guide bearings at short intervals to prevent whipping or grating of the shaft and it should be made of such material that is not damaged either by sand or silt, and should be water lubricated.

The pump should be provided with all the delivery pipes necessary inside the well up to the top in suitable lengths to facilitate erection and handling and should be complete in every way to deliver the water from the well to the ground on the top of the well. The capacity of the pump should be 30 gallons per minute against a total head of 250 ft.

Two spare lengths of pipes and shafting with necessary bearings may be quoted for separately so as to order for them in case of necessity.

Motor.—The motor should be suitable for 220 volts, 25 cycles, 3 phase alternating current and should be of sufficient H. P. as not to get overloaded on any account while the pump is working and it should be mounted on a suitable frame. It being a vertically coupled direct driven unit, the windings should be sufficiently well protected from being soaked by the lubricant of the motor bearings. The motor should be provided with ball or roller bearings and all the other accessories necessary to be directly fitted on to the pump below.

The motor should be equipped with a suitable starter provided with no voltage release and overload relay.

Spares.—The spares that are necessary to be kept in stock for replacements when needed, and the details of such spares should be furnished in the quotation.

The quotations should furnish all the details of motor and pump such as name of manufacturer, efficiencies independently as well as the over all efficiency of the set.

The firms should also furnish the necessary guarantee regarding the duty and efficiency specified.

A reduction of 5 per cent in price will be made for every 1 per cent fall in efficiency below the guaranteed figures subject to a tolerance of 2 per cent either way.

A complete set of working drawings showing all the details of pump and motor should also be sent with the quotations.

A set of tools to manage the set has to be included in the quotation.

The pumping sets should be quoted, f. o. r., Chintamani Railway Station and the time of delivery should be noted in each case.

Yours faithfully,

V. VEDAVYASACHARYA,

Secretary,

Stores Purchase Committee.

No. S. P. C. 3215-16, *dated* 13—16*th August* 1935.

NOTICE.

Enquiry No. 1477.

Sealed tenders will be received by the Secretary, Stores Purchase Committee, for the supply of about 200 Distribution Transformers of different KVA capacities required for the Electrical Department during 1935-36, up to 10th October 1935.

Intending tenderers may, on application to the Secretary, Stores Purchase Committee, obtain the requisite tender forms on which tenders should be submitted. Applications should be accompanied by a cash remittance of Rs. 5 which is the price fixed for a set of forms and which is not refundable.

Cheques and postage stamps will not be accepted towards the cost of forms nor will the forms be sent by V.P.P.

By Order,
V. VEDAVYASACHARYA,
Secretary,
Stores Purchase Committee.